

Agenda

STRUCTURAL DESIGN, LATERAL FORCES CODE ADVISORY COMMITTEE

February 3 & 4, 2005
10:00 AM

2525 NATOMAS PARK DRIVE, BSC COUNCIL ROOM

Type of meeting:
Code Advisory
Review

Monograph
Item Number

Agenda topics

Recommendation

ITEM 4

2001 California Building Code, Vol. 1 and 2, Chapters 16, 19, 22, 22B, and 23, Various sections. (HCD 03/04)

SUB-ITEM 4-1	Matrix Adoption Tables, Chapters 16 through 23. (HCD 03/04)	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 4-2	Chapter 16, Sections 1612.3.2, 1612.3.2.1 and 1612.3.2.2 <i>Alternate Basic Load Combinations. (HCD 03/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 4-3	Chapter 16, Sections 1629.4.2, 1629.4.2.1 and 1629.4.2.2 <i>Seismic Zone 4 Near Source Factor. (HCD 03/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 4-4	Chapter 16, Sections 1630.2.3.4 Horizontal Distribution. (HCD 03/04)	Approve, Disapprove, Approve as Amended, Further Study Required

SUB-ITEM 4-5	Chapter 16, Sections 1630.4.2, 1630.4.2.1 and 1630.4.2.2 Vertical Combinations. (HCD 03/04)	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 4-6	Chapter 16, Sections 1630.8.2.1, 1630.8.2.1.1 and 1630.8.2.1.2 General. (HCD 03/04)	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 4-7	Chapter 16, Sections 1630.8.2.2, 1630.8.2.2.1 and 1630.8.2.2.2 Detailing Requirements. (HCD 03/04)	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 4-8	Chapter 16, TABLE 16-N – STRUCTURAL SYSTEMS. (HCD 03/04)	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 4-9	Chapter 19, Sections 1915.2.2, 1915.2.2.1 and 1915.2.2.2 Base area of footing. (HCD 03/04)	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 4-10	Chapter 19, Sections 1928.1.2.3, 1928.1.2.3.1 and 1928.1.2.3.2 Basic Combinations. (HCD 03/04)	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 4-11	Chapter 22, Sections 2204.1, 2204.1.1 and 2204.1.2 Load and Resistance Factor Design. (HCD 03/04)	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 4-12	Chapter 22, Sections 2204.2, 2204.2.1 and 2204.2.2 Allowable Stress Design. (HCD 03/04)	Approve, Disapprove, Approve as Amended, Further Study Required

SUB-ITEM 4-13	Chapter 22, Divisions IV and V – SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS. (HCD 03/04)	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 4-14	Chapter 22B, <i>STEEL, Divisions I through XI</i> . (HCD 03/04)	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 4-15	Chapter 23, Division III, Part I ALLOWABLE STRESS DESIGN OF WOOD. (HCD 03/04)	Approve, Disapprove, Approve as Amended, Further Study Required

ITEM 5

2001 California Building Code Vol. 2, Chapters 16, 19, 22, and 23, Various sections. **(BSC 01/04)**,

Approve, Disapprove,
Approve as Amended,
Further Study
Required

SUB-ITEM 5-1

Chapter 16, Sections 1612.3.2, 1629.4.2, 1630.8.2.1 and 1630.8.2.2 and Matrix Tables. **(BSC 01/04)**,

Approve, Disapprove,
Approve as Amended,
Further Study
Required

SUB-ITEM 5-2

Chapter 16, TABLES 16.1-N and 16-N – STRUCTURAL SYSTEMS. **(BSC 01/04)**,

Approve, Disapprove,
Approve as Amended,
Further Study
Required

SUB-ITEM 5-3

Chapter 19, Sections 1915.2.2 and 1928.1.2.3 and Matrix Table. **(BSC 01/04)**,

Approve, Disapprove,
Approve as Amended,
Further Study
Required

SUB-ITEM 5-4

Chapter 22, Section 2204.1 and 2204.2 and Matrix Table. **(BSC 01/04)**,

Approve, Disapprove,
Approve as Amended,
Further Study
Required

SUB-ITEM 5-5

Chapter 23, Division III, Part I – ALLOWABLE STRESS DESIGN OF WOOD and Matrix Table. **(BSC 01/04)**,

Approve, Disapprove,
Approve as Amended,
Further Study
Required

ITEM 6

2001 California Building Code Vol. 2, Chapters 16A, 18A, 19A, 21A, 22A, and 23A, Various sections. **(DSA/SS 01/04)**

SUB-ITEM 6-1	Chapter 16A, sections 1605A.2.2 and 1611A.7. (DSA/SS 01/04)	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 6-2	Chapter 16A, sections 1629A.1 Basis for Design. (DSA/SS 01/04)	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 6-3	Chapter 16A, sections 1629A.9.2 Undefined structural systems. (DSA/SS 01/04)	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 6-4	Chapter 16A, sections 1629A.10.2 Seismic isolation. (DSA/SS 01/04)	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 6-5	Chapter 16A, sections 1630A.1.1 Earthquake loads. (DSA/SS 01/04)	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 6-6	Chapter 16A, sections 1630A.8.3 At Foundation. (DSA/SS 01/04)	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 6-7	Chapter 16A, section 1631A.2 Ground Motion, Items 5.& 6; and sections 1631A.2.1 and 1631A.2.2. (DSA/SS 01/04)	Approve, Disapprove, Approve as Amended, Further Study Required

SUB-ITEM 6-8	Chapter 16A, sections 1632A.1 <i>General</i> . (DSA/SS 01/04)	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 6-9	Chapter 16A, sections 1632A.2 <i>Design for Total Lateral Force</i> . (DSA/SS 01/04)	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 6-10	Chapter 16A, sections 1632A.6 <i>HVAC Ductwork, Plumbing/Piping and Conduit Systems</i> . (DSA/SS 01/04)	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 6-11	Chapter 16A, sections 1633A.2.6 <i>HVAC Collector Elements</i> . (DSA/SS 01/04)	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 6-12	Chapter 16A, sections 1633A.2.12 <i>Foundations and superstructure-to-foundation connections</i> . (DSA/SS 01/04)	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 6-13	Chapter 16A, Table 16A-M – <i>PLAN STRUCTURAL IRREGULARITIES</i> . (DSA/SS 01/04)	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 6-14	Table 16A-O – <i>HORIZONTAL FORCE FACTORS</i> . (DSA/SS 01/04)	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 6-15	Chapter 16A. Section 1637A. (DSA/SS 01/04)	Approve, Disapprove, Approve as Amended, Further Study Required

SUB-ITEM 6-16	<i>Chapter 16A. Section 1640A.2 Applicability. (DSA/SS 01/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 6-17	<i>Chapter 16A. Section 1641A - DEFINITIONS. (DSA/SS 01/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 6-18	<i>Chapter 16A. Section 1642A.1 –The following symbols. (DSA/SS 01/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 6-19	<i>Chapter 16A. Section 1644A.9.2.3.3 and 1644A.9.13.1.2.1 (DSA/SS 01/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 6-20	<i>Chapter 16A. Section 1648A.2.4 and 1648A.2.4.1.1 (DSA/SS 01/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 6-21	<i>Chapter 16A. Section 1649A.5.1 Reports. (DSA/SS 01/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 6-22	<i>Appendix Chapter 16A, Section 1657A.3 Occupancy Categories. (DSA/SS 01/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 6-23	<i>Appendix Chapter 16A, Section 1655A.2.3 Sequence and cycles. (DSA/SS 01/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required

SUB-ITEM 6-24	<i>Appendix Chapter 16A, Section 1665A.4 System adequacy. (DSA/SS 01/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 6-25	<i>Chapter 18A, Section 1804A.1, 1806A.2 and 1809A.5.1 System adequacy. (DSA/SS 01/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 6-26	<i>Chapter 19A, Section 1903A.3.2.1 and 1903A.11. (DSA/SS 01/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 6-27	<i>Chapter 19A, Section 1905A.2.3 Concrete specified. (DSA/SS 01/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 6-28	<i>Chapter 19A, Section 1905A.5.1 and 1905A.5.2. (DSA/SS 01/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 6-29	<i>Chapter 19A, Section 1921A Notations. (DSA/SS 01/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 6-30	<i>Chapter 19A, Section 1921A.3.2.1 and 1921A.5.3.1. (DSA/SS 01/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 6-31	<i>Chapter 21A, Section 2108A.2.2.6 Development. (DSA/SS 01/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required

SUB-ITEM 6-32	<i>Chapter 21A, Section 2108A.2.6.2.6 Members subjected to axial force and flexure. (DSA/SS 01/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 6-33	<i>Chapter 21A, Section 2108A.2.2.6 Development. (DSA/SS 01/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 6-34	<i>Chapter 22A, Section 2219A GENERAL and section 2219A.3 Design. (DSA/SS 01/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 6-35	<i>Chapter 22A, Section 2220A.2 Boundary Members and Anchorage. (DSA/SS 01/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 6-36	<i>Chapter 23A, Division III, Part I – ALLOWABLE STRESS DESIGN OF WOOD. (DSA/SS 01/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 6-37	<i>Chapter 23A, Sections 2318A.3.3 and 2318A.3.4. (DSA/SS 01/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 6-38	<i>Chapter 23A, Sections 2320A.8.3, 2320A.8.7, and 2320A.12.8. (DSA/SS 01/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required

ITEM 7

2001 California Building Code Vol. 2, Chapters 16, 16A, 18A, 19, 19A, 21A, 22, 22A, 23 and 23A, Various sections. (OSHDP 02/04)

SUB-ITEM 7-6	Chapter 16, Section 1605.2.2 Stability against overturning. (OSHDP 02/04)	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 7-7	Chapter 16, Section 1633.2.6 Collector elements. (OSHDP 02/04)	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 7-8	<i>Chapter 16A, Sections 1605A.2.2 and 1611A.7. (OSHDP 02/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 7-9	<i>Chapter 16A, Sections 1629A.9.1 Basis for Design. (OSHDP 02/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 7-10	<i>Chapter 16A, Sections 1629A.9.2 Undefined structural systems. (OSHDP 02/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 7-11	<i>Chapter 16A, Sections 1630A.1.1 Earthquake loads. (OSHDP 02/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 7-12	<i>Chapter 16A, Sections 1630A.8.3 At foundation. (OSHDP 02/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required

SUB-ITEM 7-13	<i>Chapter 16A, Sections 1631A.2 Ground Motion, Items 5 and 6 and Sections 1631A.2.1, and 1631A.2.2. (OSH PD 02/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 7-14	<i>Chapter 16A, Sections 1632A.1 General. (OSH PD 02/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 7-15	<i>Chapter 16A, Sections 1632A.2 Design for Total Lateral Force. (OSH PD 02/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 7-16	<i>Chapter 16A, Sections 1632A.6 HVAC Ductwork, Plumbing/Piping and Conduit Systems. (OSH PD 02/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 7-17	<i>Chapter 16A, Sections 1633A.2.6 Collector Elements. (OSH PD 02/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 7-18	<i>Chapter 16A, Sections 1633A.2.12 Foundations and superstructure-to-foundation connectors. (OSH PD 02/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 7-19	<i>Chapter 16A, Table 16A-M – PLAN STRUCTURAL IRREGULARITIES. (OSH PD 02/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 7-20	<i>Chapter 16A, Table 16A-O – HORIZONTAL FORCE FACTORS. (OSH PD 02/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required

SUB-ITEM 7-21	<i>Chapter 16A, Section 1641A -- DEFINITIONS. (OSH PD 02/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 7-22	<i>Chapter 16A, Section 1642A.1 The following symbols... (OSH PD 02/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 7-23	<i>Chapter 16A, Section 1643A.1 Basis for Evaluation and Design. (OSH PD 02/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 7-24	<i>Chapter 16A, Section 1644A.9.2.3.2. In order to qualify. (OSH PD 02/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 7-25	<i>Chapter 16A, Section 1644A.13.1.2. Critical nonstructural... (OSH PD 02/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 7-26	<i>Appendix Chapter 16A, Section 1648A.2.3.1. If load... (OSH PD 02/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 7-27	<i>Appendix Chapter 16A, Section 1648A.2.4. The ground motion... (OSH PD 02/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 7-28	<i>Appendix Chapter 16A, Section 1665A.2.3. Sequence and cycles... (OSH PD 02/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required

SUB-ITEM 7-29	<i>Appendix Chapter 16A, Section 1665A.4. System adequacy...</i> (OSHDP 02/04)	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 7-30	<i>Chapter 18A, Section 1804A.1 and 1809A.5.1</i> (OSHDP 02/04)	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 7-31	<i>Chapter 19, Section 1921.0 Notations.</i> (OSHDP 02/04)	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 7-32	<i>Chapter 19A, Section 1903A.11 Glass Fiber Reinforced Concrete.</i> (OSHDP 02/04)	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 7-33	<i>Chapter 19A, Section 1905A.2.3 Concrete specified.</i> (OSHDP 02/04)	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 7-34	<i>Chapter 19A, Section 1921A.0 Notations.</i> (OSHDP 02/04)	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 7-35	<i>Chapter 19A, Section 1921A.3.2.1and 1921A.5.3.1.</i> (OSHDP 02/04)	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 7-36	<i>Chapter 21A, Section 2108A.2.2.6 Development.</i> (OSHDP 02/04)	Approve, Disapprove, Approve as Amended, Further Study Required

SUB-ITEM 7-37	<i>Chapter 21A, Section 2108A.2.6.2.6 Members subjected to axial force and flexure. (OSHDP 02/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 7-38	<i>Chapter 22, Section 2210 – AMENDMENTS, 3.1 Loads and Load Combinations. (OSHDP 02/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 7-39	<i>Chapter 22A, Section 2213A.7.3 and 2213A.9.1. (OSHDP 02/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 7-40	<i>Chapter 22A, Section 2219A – GENERAL and section 2219A.3 Design (OSHDP 02/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 7-41	<i>Chapter 22A, Section 2220A.2 Boundary Members and Anchorage. (OSHDP 02/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 7-42	<i>Chapter 23, Division III, Part I – ALLOWABLE STRESS DESIGN FOR WOOD. (OSHDP 02/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 7-43	<i>Chapter 23A, Division III, Part I – ALLOWABLE STRESS DESIGN FOR WOOD. (OSHDP 02/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 7-44	<i>Chapter 23A, Sections 2318A.3.3 and 2318A.3.4. (OSHDP 02/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required

SUB-ITEM 7-45	<i>Chapter 23A, Sections 2320A.8.3, 2320A.8.7 and 2320A.12.8. (OSH PD 02/04)</i>	Approve, Disapprove, Approve as Amended, Further Study Required
SUB-ITEM 7-46	MATRIX ADOPTION TABLES, Chapters 20,21,22, Appendix Chapter 16, <i>Appendix Chapter 16A</i>	Approve, Disapprove, Approve as Amended, Further Study Required